

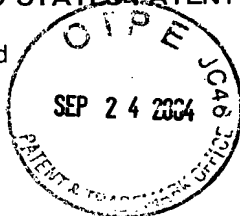
IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Tracy K. Ragland

Serial No.: 10/024,101

Filing Date: 12/17/2001

Title: System and Method for Identifying Solder Joint Defects



Examiner: Sun, Ziuqin

Group Art Unit: 2863

COMMISSIONER FOR PATENTS
PO Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Sir:

Transmitted herewith is/are the following in the above-identified application:

- (X) Response/Amendment () Petition to extend time to respond
() New fee as calculated below () Supplemental Declaration
(X) No additional fee (Address envelope to "Mail stop Non-Fee Amendments")
() Other: _____ (fee \$ _____)

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS	45	MINUS	47	= 0	X \$18	\$ 0
INDEP. CLAIMS	4	MINUS	4	= 0	X \$86	\$ 0
[] FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM					+ \$290	\$ 0
EXTENSION FEE	1ST MONTH \$110.00	2ND MONTH \$420.00	3RD MONTH \$950.00	4TH MONTH \$1480.00		\$ 0
OTHER FEES						\$
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$ 0

Charge \$ 0 to Deposit Account 50-1078. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 50-1078 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 50-1078 under 37 CFR 1.16, 1.17, 1.19, 1.20 and 1.21. A duplicate copy of this sheet is enclosed.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

Date of Deposit: 05/03/2004

Typed Name: Gloria L. Knox

Signature:

Respectfully submitted,

Tracy K. Ragland

By

Robert A. Blaha

Attorney/Agent for Applicant(s)

Reg. No. 43,502

Date: 05/03/2004

Serial No.: 10/024,101 Filed: December 17, 2001
 Patent No.: Issued:
 Applicant: Tracy K. Ragland
 Title: System and Method for Identifying Solder Joint Defects
 Docket No.: 50111-1610 C/M Date: 05/03/2004
 EM No.: Due Date: 06/11/2004

**PATENT AND TRADEMARK OFFICE
 STAMP HEREON ACKNOWLEDGES
 RECEIPT OF THE BELOW IDENTIFIED
 PAPERS:**

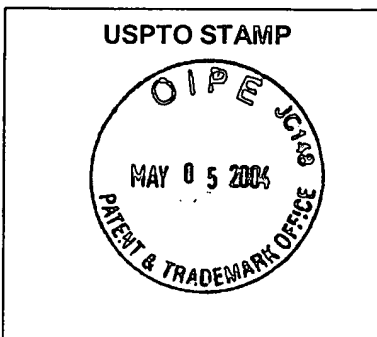
Cert. of Mailing: ☒ Regular US Mail
☐ Express Mail

Fees ☐ \$0.00
 Pymt ☐ Check
 Form ☐ Dep. Acct: 50-1078
☐ Credit Card Paym't Form

☐ Fee Transmittal Page

- ☐ RCE Application Transmittal Pg.
- ☐ Missing Parts Response
- ☐ Copy of Missing Parts Notice
- ☐ Resp. Incomplete Application Papers
- ☐ Copy - Not. Incomplete Appl. Papers
- ☐ Declaration & Power of Attorney
- ☐ Preliminary Amendment
- ☐ Small Entity Status Claimed
- ☐ IDS/Form 1449
- ☐ Cited Reference(s) ()
- ☐ Assignment/Assign't Cover Sheet
- ☐ Terminal Disclaimer
- ☒ Amendment Transmittal Page
- ☒ Amendment and Response
 - ☐ Non-Final ☒ Final
 - ☐ After Not. Allow ☐ Unentered
- ☐ Response to Advisory Action
- ☐ Petition for EOT to:
- ☐ Claim of Priority & Sub. Cert. Copy
of Foreign Application
- ☐ Other:

Person Mailing: LK



- ☐ Request to Rescind Non-Pub.
- ☐ Petition to Make Special
- ☐ Status Inquiry (in duplicate)
- ☐ Notice of Appeal
- ☐ Appeal Brief (in Triplicate)
- ☐ Request for Refund
- ☐ Request for Correction F/R
- ☐ Notice of Continuation Applic.
- ☐ Issue Fee Trx. ☐ In Dupl.
- ☐ Sheets of Drawings
 - ☐ Formal ☐ Informal
- ☐ Letter/Trx. To Draftsman
- ☐ Prior to NOA ☐ W/I NOA
- ☐ Request for Cert. Of Correct.
- ☐ Certificate of Correction x 2
- ☐ Maintenance Fee Transmittal
 - ☐ 3.5 ☐ 7.5 ☐ 11.5
 - ☐ in duplicate

Responsible Atty: SAH/RAB

BEST AVAILABLE COPY

THOMAS, KAYDEN
 HORSTEMEYER & RISLEY, L.L.P.

MAY 10 2004



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Confirmation No.: 5192
Tracy K. Ragland Group Art Unit: 2863
Serial No.: 10/024,101 Examiner: Sun, Xiuqin
Filed: December 17, 2001 Docket No. 10011126-1
For: **SYSTEM AND METHOD FOR IDENTIFYING SOLDER JOINT DEFECTS**

AMENDMENT AND RESPONSE

Mail Stop AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The final Office Action mailed March 11, 2004 has been carefully considered. In response, please enter the following amendments and consider the following remarks.

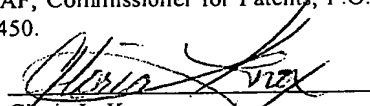
Amendments to the Claims are reflected in the list beginning on page 3 of this paper.

Remarks begin on page 10 of this paper.

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail for delivery with proper postage thereon to: Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: 05/13/2004


Gloria L. Knox

AUTHORIZATION TO DEBIT DEPOSIT ACCOUNT

It is not believed that extensions of time or fees for net addition of claims are required, beyond those, which may otherwise be provided for in documents accompanying this paper. However, in the event that additional extensions of time are necessary to allow consideration of this paper, such extensions are hereby petitioned under 37 C.F.R. §1.136(a), and any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to Agilent Technologies Inc.'s Deposit Account No. 50-1078.